

INVENTOR(S): Toriida, Masahiro; Omi, Takehiko; Tan, Hiroaki
 PATENT ASSIGNEE(S): Mitsui Chemical Industry Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
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 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

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JP 2000243442	A	20000908	JP 1999-41102	19990219
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OTHER SOURCE(S): MARPAT 133:225552

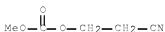
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AB The solns. are nonaq. solvents containing $\text{ROnCO}_2\text{CH}_2\text{CH}_2\text{CN}$ ($\text{R} = \text{H}$, C_1 -10 hydrocarbon, $\text{CH}_2\text{CH}_2\text{CN}$; $n = 0, 1$) and electrolytes. The solns. may also contain linear carbonate esters and/or cyclic carbonate esters given in Markush structures. Secondary batteries, especially lithium ion batteries, comprising the electrolyte solns. are also claimed. Batteries with excellent charge-discharge characteristics and high performance, under loaded conditions and low-temperature, are obtained.

IT 260362-83-2
 (secondary (lithium) batteries comprising of nonaq. solvents containing cyanoethyl compds.)

RN 260362-83-2 HCAPLUS

CN Carbonic acid, 2-cyanoethyl methyl ester (CA INDEX NAME)



IC ICM H01M010-40

ICS H01M004-02; H01M004-58

CC 52-2 (Electrochemical, Radiational, and Thermal Energy Technology)

IT 105-58-8, Diethyl carbonate 108-32-7, Propylene carbonate
 616-38-6, Dimethyl carbonate 623-53-0, Methyl ethyl carbonate
 4437-85-8, Butylene carbonate 20597-73-3, 2-Cyanoethyl propionate
 260362-83-2

(secondary (lithium) batteries comprising of nonaq. solvents containing cyanoethyl compds.)

L41 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:254779 HCAPLUS [Full-text](#)

DOCUMENT NUMBER: 132:267606

TITLE: Organic electrolyte solutions for batteries and capacitors

INVENTOR(S): Nishikawa, Satoshi; Bessho, Shinji

PATENT ASSIGNEE(S): Sunstar Engineering, Inc., Japan; Uni Sunstar Bv

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

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PATENT INFORMATION: